

WHAT IS CLAIMED IS:

1. An information processing apparatus for transferring data of a job formed on the basis of application data to a printer via interface means,
5 comprising:

discriminating means for discriminating a communication environment regarding said data transfer; and

10 cancellation processing means for, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated by said discriminating means.

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2. An apparatus according to claim 1, wherein said cancellation processing means shifts said printer to a state where the data transfer for a subsequent print job can be normally restarted.

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25 3. An apparatus according to claim 1, further comprising cancelling method selecting means for selecting the cancelling method that is optimum to said communication environment on the basis of information which is obtained from an apparatus information database, and
wherein said cancellation processing means has

cancelling method switching means for switching the cancelling methods on the basis of a result of the selection by said cancelling method selecting means.

5 4. An apparatus according to claim 1, wherein said discriminating means comprises:

 discriminating means for discriminating a type of said interface means by using said data transfer;

10 print environment discriminating means for discriminating a print environment; and

 cancelling method selecting means for selecting the cancelling method based on the discriminated type of said interface means and the discriminated print environment, and

15 wherein said cancellation processing means executes a cancelling process on the basis of a result of the selection by said cancelling method selecting means.

20 5. An apparatus according to claim 1, wherein said discriminating means comprises:

 interface discriminating means for discriminating a type of said interface means which is used for said data transfer or a communicating state of said interface means;

 print environment discriminating means for discriminating a current set print environment; and

an apparatus information database for managing printer information for the printer on a data transfer destination side, and

wherein said cancellation processing means

- 5 selects the cancelling method on the basis of at least one of the discriminated type of said interface means, the discriminated communicating state of said interface means, and the discriminated print environment.

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6. An apparatus according to claim 1, further comprising user interface means for displaying the plurality of cancelling methods which can be switched and selecting and instructing one of the cancelling methods, and

wherein said cancellation processing means cancels said data transfer by the selected and instructed cancelling method.

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7. An apparatus according to claim 1, wherein said cancelling methods include a method of transmitting a reset signal of the interface means or a method of transferring complementary data.

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8. An apparatus according to claim 3, wherein said apparatus information database stores and manages information showing whether said printer has

a cancelling function based on a reset signal of the
interface means or not, information showing whether
an initializing operation is executed upon
cancellation or not when said printer has the
5 cancelling function, or information showing a time
which is needed in the case of executing the
initializing operation.

9. An apparatus according to claim 6, wherein
10 said user interface means can display a list of the
current valid cancelling methods to the user and
receive a selecting instruction of the user.

10. An information processing apparatus which
15 can communicate with a printer, comprising:
 forming means for forming a job including print
 data based on application data;
 transmitting means for transmitting data of the
 job formed by said forming means to said printer;
20 obtaining means for obtaining limitation
 information of cancellation of said job; and
 cancellation processing means for executing a
 cancelling process of the job transmitted by said
 transmitting means by a cancelling method based on
25 the limitation information obtained by said obtaining
 means.

11. An apparatus according to claim 10, wherein
a type of interface is included in said limitation
information and said cancellation processing means
executes the cancelling process by the cancelling
method based on the type of said interface obtained
by said obtaining means.

12. An apparatus according to claim 11, wherein
a print environment is included in said limitation
information and said cancellation processing means
executes the cancelling process by the cancelling
method based on the print environment obtained by
said obtaining means and the type of said interface.

13. An apparatus according to claim 11, wherein
printer information is included in said limitation
information and said cancellation processing means
executes the cancelling process by the cancelling
method based on said printer information and the type
of said interface.

14. An apparatus according to claim 10, wherein
printer information is included in said limitation
information and said cancellation processing means
executes the cancelling process by the cancelling
method based on said printer information obtained by
said obtaining means.

15. An apparatus according to claim 10, wherein
said cancelling method corresponds to a resetting
method and a reset by a reset signal and a reset by a
transfer of complementary data are included in said
resetting method.

16. A job processing method in an information
processing apparatus having transmitting means for
transferring data of a job formed on the basis of
10 application data to a printer via interface means,
comprising:

15 a discriminating step of discriminating a
communication environment regarding said data
transfer; and

15 a cancellation processing step of, when
cancellation is instructed during said data transfer,
canceling said data transfer via said interface
means by one of a plurality of cancelling methods on
the basis of said communication environment
20 discriminated in said discriminating step.

17. A job processing method in an information
processing apparatus which can communicate with a
printer, comprising:

25 a forming step of forming a job including print
data based on application data;
 a transmitting step of transmitting data of the

- job formed in said forming step to said printer;
- an obtaining step of obtaining limitation information of cancellation of said job; and
- 5 a cancellation processing step of executing a cancelling process of the job transmitted in said transmitting step by a cancelling method based on the limitation information obtained in said obtaining step.
- 10 18. A program which is executed in an information processing apparatus having transmitting means for transferring data of a job formed on the basis of application data to a printer via interface means, comprising:
- 15 a discriminating step of discriminating a communication environment regarding said data transfer; and
- a cancellation processing step of, when cancellation is instructed during said data transfer,
- 20 cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment discriminated in said discriminating step.
- 25 19. A program which is executed in an information processing apparatus which can communicate with a printer, comprising:

a forming step of forming a job including print data based on application data;

a transmitting step of transmitting data of the job formed in said forming step to said printer;

5 an obtaining step of obtaining limitation information of cancellation of said job; and

a cancellation processing step of executing a cancelling process of the job transmitted in said transmitting step by a cancelling method based on the 10 limitation information obtained in said obtaining step.

20. A memory medium in which a program for executing a job processing method in an information processing apparatus having transmitting means for transferring data of a job formed on the basis of application data to a printer via interface means has been stored in a computer-readable form, wherein said program comprises:

20 a discriminating step of discriminating a communication environment regarding said data transfer; and

25 a cancellation processing step of, when cancellation is instructed during said data transfer, cancelling said data transfer via said interface means by one of a plurality of cancelling methods on the basis of said communication environment

discriminated in said discriminating step.

21. A memory medium in which a program for
executing a job processing method in an information
processing apparatus which can communicate with a
printer has been stored in a computer-readable form,
wherein said program comprises:

a forming step of forming a job including print
data based on application data;

10 a transmitting step of transmitting data of the
job formed in said forming step to said printer;

 an obtaining step of obtaining limitation
information of cancellation of said job; and

 a cancellation processing step of executing a
15 cancelling process of the job transmitted in said
transmitting step by a cancelling method based on the
limitation information obtained in said obtaining
step.